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REPORT NO.

50X1-HUM

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THIS IS UNEVALUATED INFORMATION 50X1-HUM

1. A new type of missile called "Babdusha Raketa"* is being developed and produced in the USSR. The length of the missile is 4 m and the diameter 0.80 m. The shape is similar to that of a V-2 and the missile is launched, flies, and falls according to the principle of the V-2 type. The missile weighs 500 kg; it is ignited by electricity. The body of the missile is divided into two parts and is filled as follows:
 - a. In the head there is a detonator and explosive charge, while the rest of the fore part is filled with concentrated ionized gases (sic).
 - b. The latter part is filled with various materials intended to create a dust cloud. These materials contain as their most important composition coal dust which at the time of explosion combines with the gas contained in the front portion of the missile under the influence of a catalyst.
2. The range of the missile is 20-40 km. The vertex of the parabolic path traced by the missile is 2 km. The missile explodes on its descent at a height of 300 meters from the earth. The effect of the missile lasts for five hours and is felt within a diameter of 1 km;* whereas the thunder created can be heard at a distance of 20 km. As a safety measure, approach to the spot where the explosion has taken place is allowed only to experts who are supplied with special defensive equipment, 24 hours after the explosion. Others may have access to the spot after 36 hours. The electrifying effect (sic) created in steel and other metal objects ceases after 24 hours.
3. The path traced by the missile during its flight is visible until the missile has reached its vertex because small explosions of the parts which create clouds take place at short distances from each other and these are accompanied by powerful flashes of light.
4. The missile is transported to the launching spot in special steel frames. It is launched from a platform especially mounted on another platform on wheels drawn by a ZIS model automobile of special construction. The platform and the launching installations are 10 meters long and are placed on a vehicle with three axles, two of which are in the back part of the vehicle and one of which is in the front. The launching equipment has an octagonally shaped exterior and tapers off into a square top in the back whereas in the front part there is a round opening 0.80 m in caliber through which the missile is observed while being launched.

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This document is hereby regraded to
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5. An electric detonator with all the equipment for launching the missile is located in the back part of the launching apparatus. The speed is increased through the previously mentioned little explosions which take place before the missile has reached its vertex. When the missile has reached its vertex, it starts to fall almost vertically. At 300 m from the ground, the front part explodes and the heavy pressure caused thereby breaks up the ionized gas container in the front part of the missile.
6. The effect of the missile is based upon the principle of union of the ionized gas particles with the coal particles when mixed up into clouds as the missile explodes. The clouds which have been created at small intervals through small explosions in the back part of the missile spread with great speed and create after each explosion a group of clouds which spread all around. When the front part of the missile explodes in its fall to the ground at 300 m, the ionized gases and coal dust spread at lightning speed and the ions unite with the coal dust which is mixed up with the clouds.
7. [redacted] the theory that electrical reactions are created from this contact which are similar to atmospheric occurrences: thunder and lightning, and thunder is actually heard at distances as far as 20 km. Numerous thunders are created which attack even the smallest and least exposed object on the surface of the earth and create a heavy pressure and heating which causes the crumbling of all objects, so that in a circumference of 1 km,** almost everything is destroyed and wiped out. Simultaneously with the pressure, a great heat is created which melts all metal parts and at the same time electrifies them. All living creatures, even the smallest, perish. 50X1-HUM
8. Maneuvers and tests were held with this missile from 20 October 1949 to 5 November 1949 in Hortobagy and in Janka Pusti (Pusztas)(sic), in Hungary. The areas where the maneuvers with these missiles were held were strictly guarded so that no one who had no business there could enter. The crew for launching the missile consisted of 12 men. The platform with the installations for launching was in a convoy of four trucks each equipped with 20 men. All these men were members of the MVD or of special guards units.
9. It is believed that serial production of the missile is now being carried out. The missile can be used regardless of the geographic or atmospheric conditions.

Comments:

*A nickname which means literally "Soul of a Grandmother Rocket."

**Probably a circular area with diameter 1 km is meant.

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